

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046593 A3

(51) International Patent Classification⁷: A61K 31/445

(21) International Application Number:
PCT/US2004/037083

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/517,405 6 November 2003 (06.11.2003) US

(71) Applicant (for all designated States except US): CEL-
GENE CORPORATION [US/US]; 7 Powder Horn Drive,
Warren, NJ 07059 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ZELDIS, Jerome,
B. [US/US]; 157 Christopher Drive, Princeton, NJ 08540
(US).

(74) Agents: INSOGNA, Anthony, M. et al; Jones Day, 222
East 41st Street, New York, NY 10017-6702 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
2 March 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND COMPOSITIONS USING THALIDOMIDE FOR THE TREATMENT AND MANAGEMENT OF
CANCERS AND OTHER DISEASES.

(57) Abstract: Methods of treating, preventing and/or managing cancer as well as and diseases and disorders associated with,
or characterized by, undesired angiogenesis are disclosed. Specific methods encompass the administration of thalidomide alone
or in combination with a second active ingredient. The invention further relates to methods of reducing or avoiding adverse side
effects associated with chemotherapy, radiation therapy, hormonal therapy, biological therapy or immunotherapy which comprise
the administration of thalidomide. Pharmaceutical compositions, single unit dosage forms, and kits suitable for use in methods of
the invention are also disclosed.

WO 2005/046593 A3